

Fig. 1 (prior art)

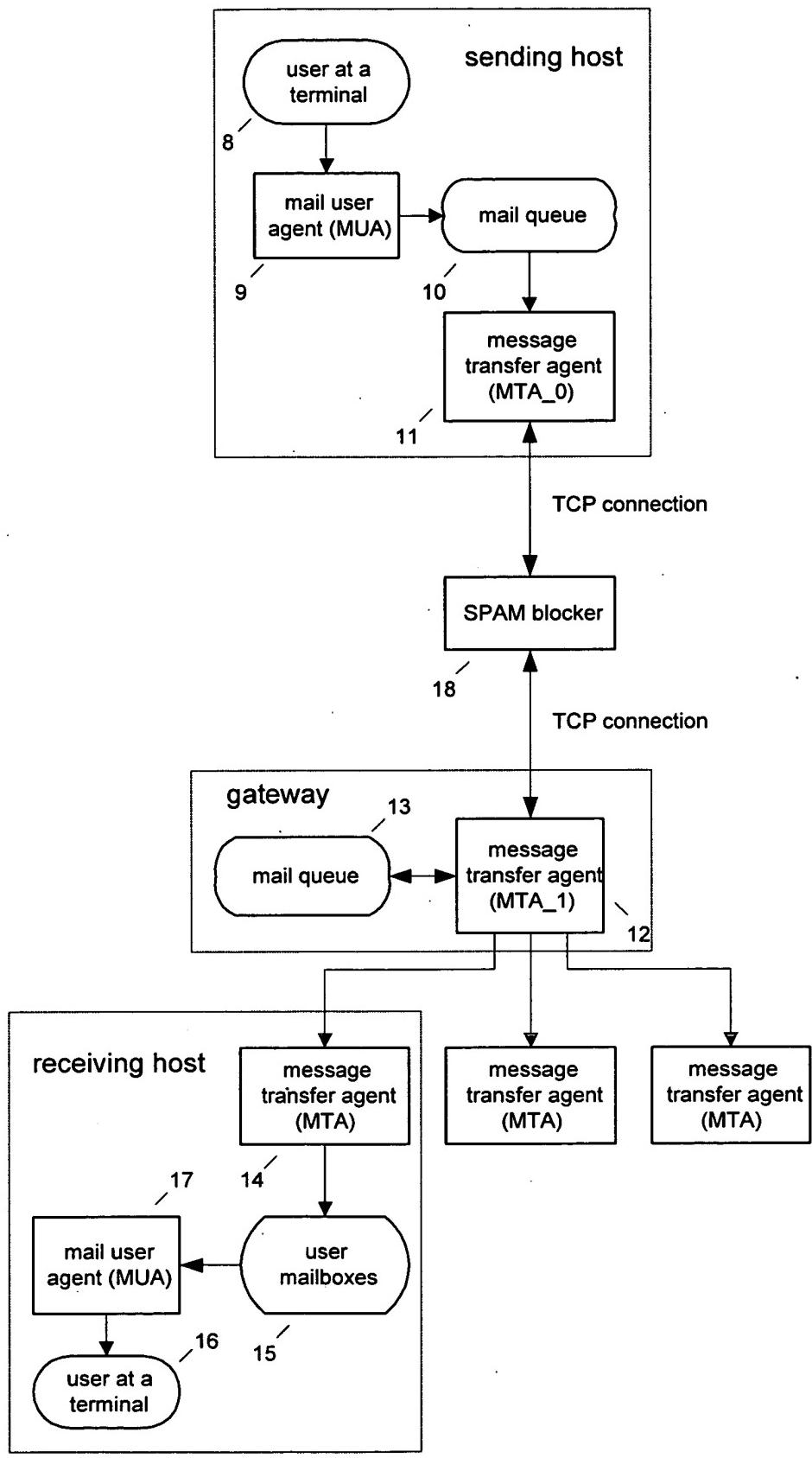


Fig. 2

**CONNECTION ESTABLISHMENT**  
S: 220  
F: 421

**HELO**  
S: 250  
E: 500, 501, 504, 421

**MAIL**  
S: 250  
F: 552, 451, 452  
E: 500, 501, 421

**RCPT**  
S: 250, 251  
F: 550, 551, 552, 553, 450, 451, 452  
E: 500, 501, 503, 421

**DATA**  
I: 354 -> data -> S: 250  
F: 552, 554, 451, 452  
F: 451, 554  
E: 500, 501, 503, 421

**RSET**  
S: 250  
E: 500, 501, 504, 421

**SEND**  
S: 250  
F: 552, 451, 452  
E: 500, 501, 502, 421

**SOML**  
S: 250  
F: 552, 451, 452  
E: 500, 501, 502, 421

**SAML**  
S: 250  
F: 552, 451, 452  
E: 500, 501, 502, 421

**VRFY**  
S: 250, 251  
F: 550, 551, 553  
E: 500, 501, 502, 504, 421

**EXPN**  
S: 250  
F: 550  
E: 500, 501, 502, 504, 421

**HELP**  
S: 211, 214  
E: 500, 501, 502, 504, 421

**NOOP**  
S: 250  
E: 500, 421

**QUIT**  
S: 221  
E: 500

**TURN**  
S: 250  
F: 502  
E: 500, 503

**Fig. 3 (prior art)**

**214 Help message**

[Information on how to use the receiver or the meaning of a particular non-standard command;  
this reply is useful only to the human user]

**220 <domain> Service ready**

**221 <domain> Service closing transmission channel**

**250 Requested mail action okay, completed**

**251 User not local; will forward to <forward-path>**

**354 Start mail input; end with <CRLF>.<CRLF>**

**421 <domain> Service not available, closing transmission channel**

[This may be a reply to any command if the service knows must shut down]

**450 Requested mail action not taken: mailbox unavailable [E.g., mailbox busy]**

**451 Requested action aborted: local error in processing**

**452 Requested action not taken: insufficient system storage**

**500 Syntax error, command unrecognized [This may include errors such as command line too long]**

**501 Syntax error in parameters or arguments**

**502 Command not implemented**

**503 Bad sequence of commands**

**504 Command parameter not implemented**

**550 Requested action not taken: mailbox unavailable [E.g., mailbox not found, no access]**

**551 User not local; please try <forward-path>**

**552 Requested mail action aborted: exceeded storage allocation**

**553 Requested action not taken: mailbox name not allowed [E.g., mailbox syntax incorrect]**

**554 Transaction failed**

**Fig. 4 (prior art)**

MTA\_0  
IP address = IP\_0  
declared domain = D\_0  
real domain = DD\_0  
Mail From = A\_0

MTA\_1  
IP address = IP\_1  
domain = D\_1  
RCPT To = A\_1

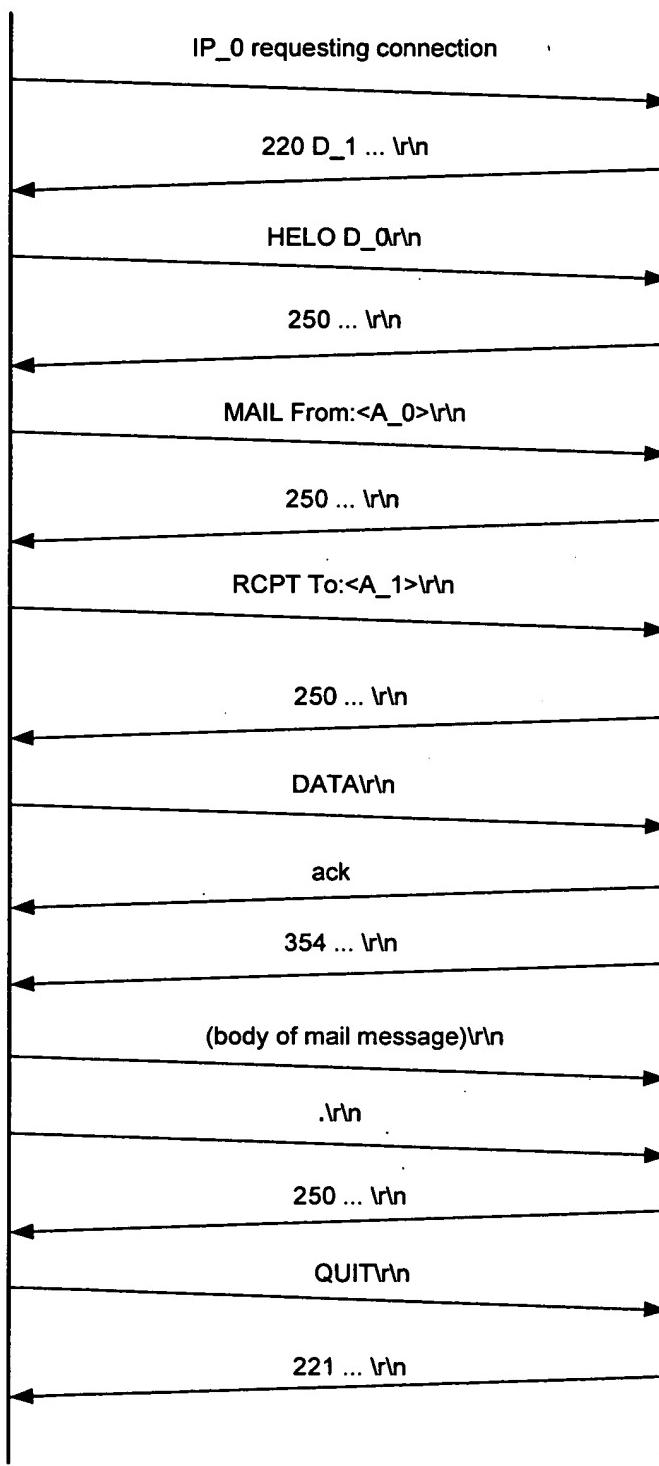


Fig. 5  
(prior art)

**MTA\_0**  
 IP address = IP\_0  
 declared domain = D\_0  
 real domain = DD\_0  
 Mail From = A\_0

**SPAM Blocker**  
 IP address IP\_2

**MTA\_1**  
 IP address = IP\_1  
 domain = D\_1  
 RCPT To = A\_1

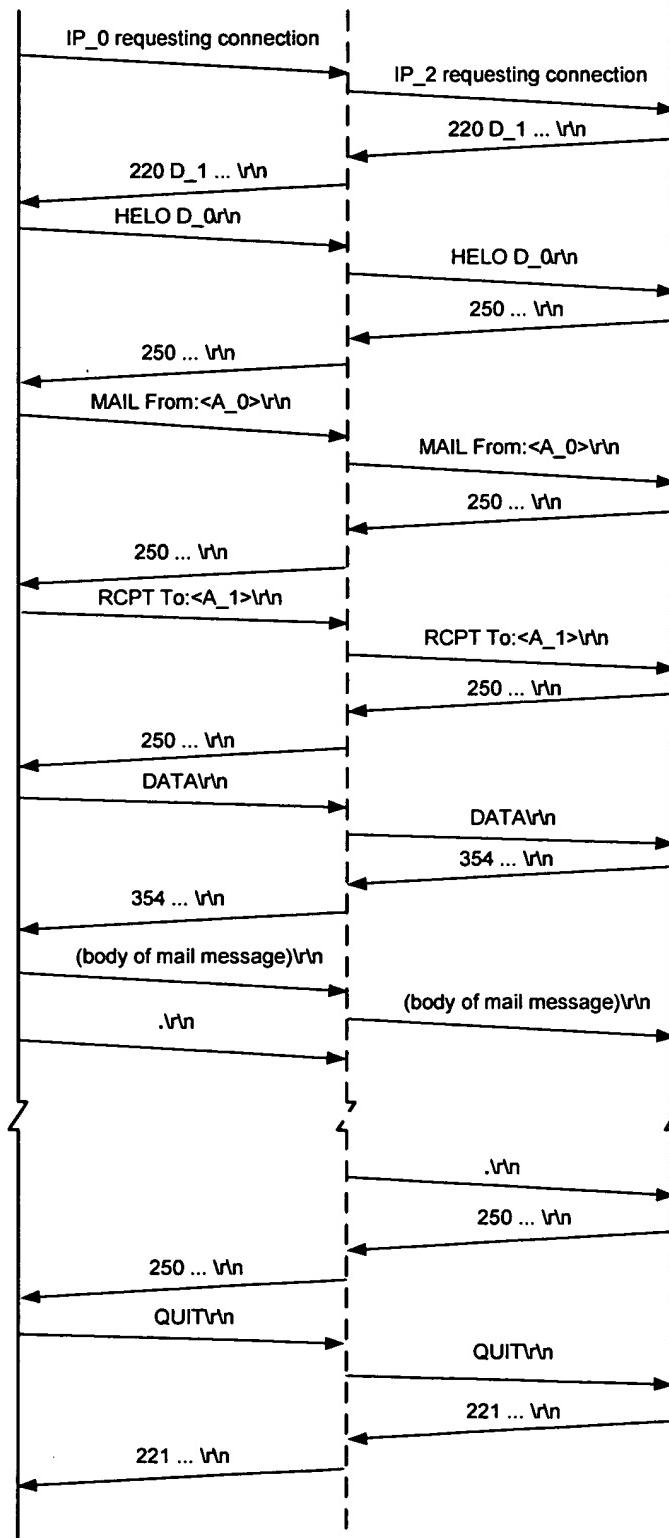


Fig. 6

**MTA\_0**  
 IP address = IP\_0  
 declared domain = D\_0  
 real domain = DD\_0  
 Mail From = A\_0

**SPAM Blocker**  
 IP address IP\_2

**MTA\_1**  
 IP address = IP\_1  
 domain = D\_1  
 RCPT To = A\_1

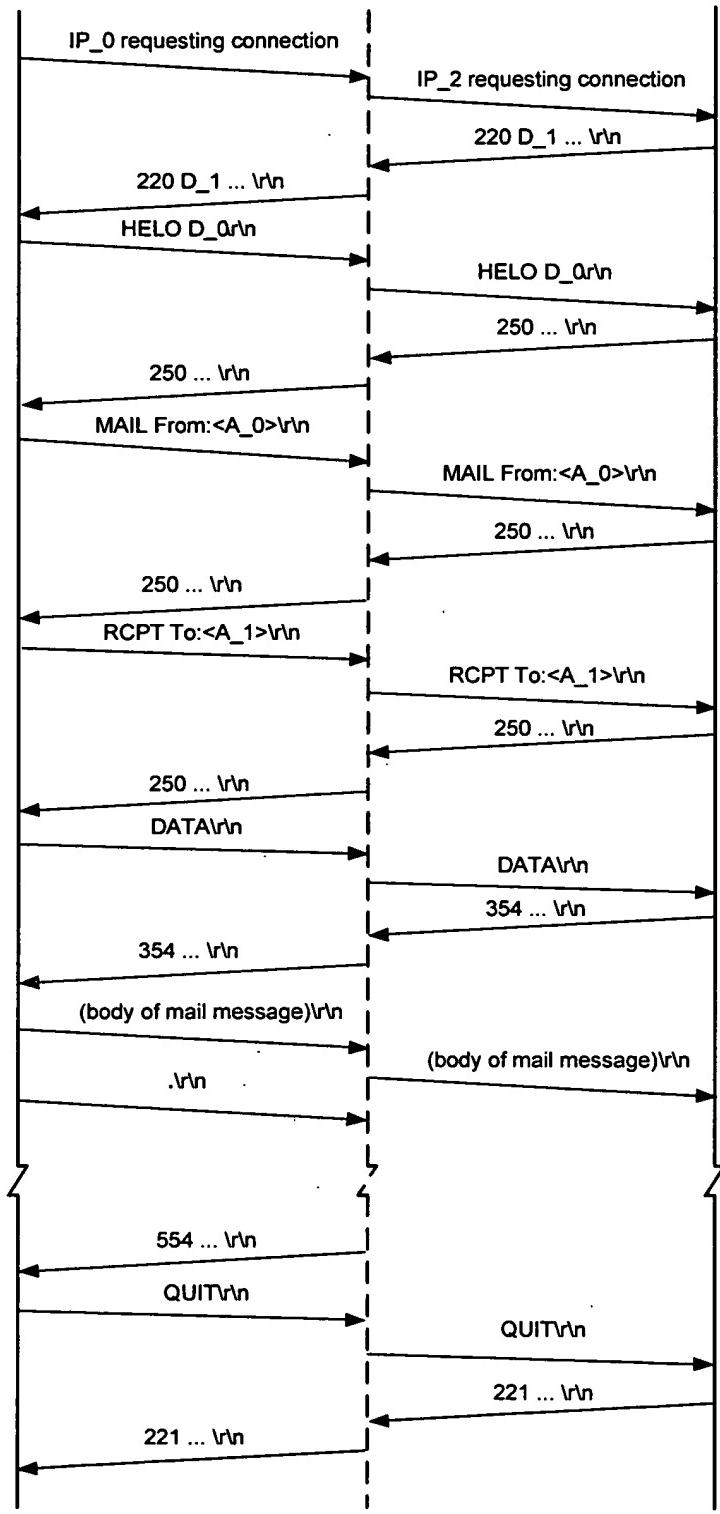


Fig. 7

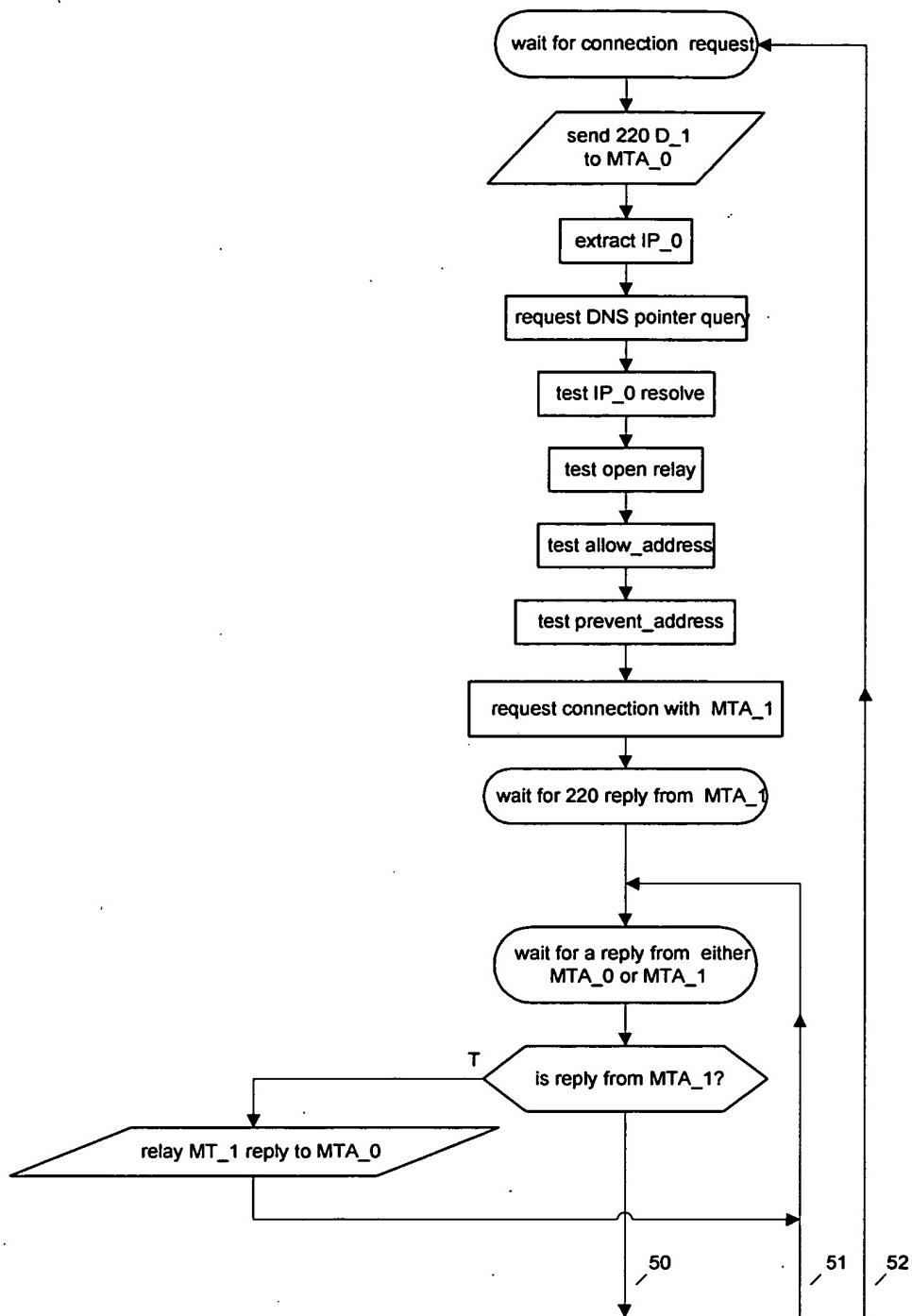


Fig. 8A

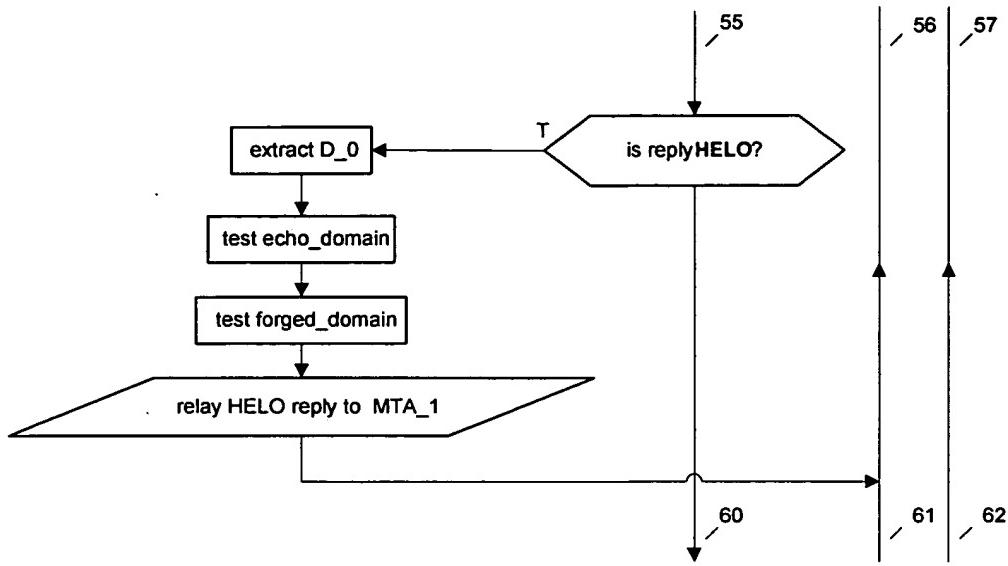


Fig. 8B

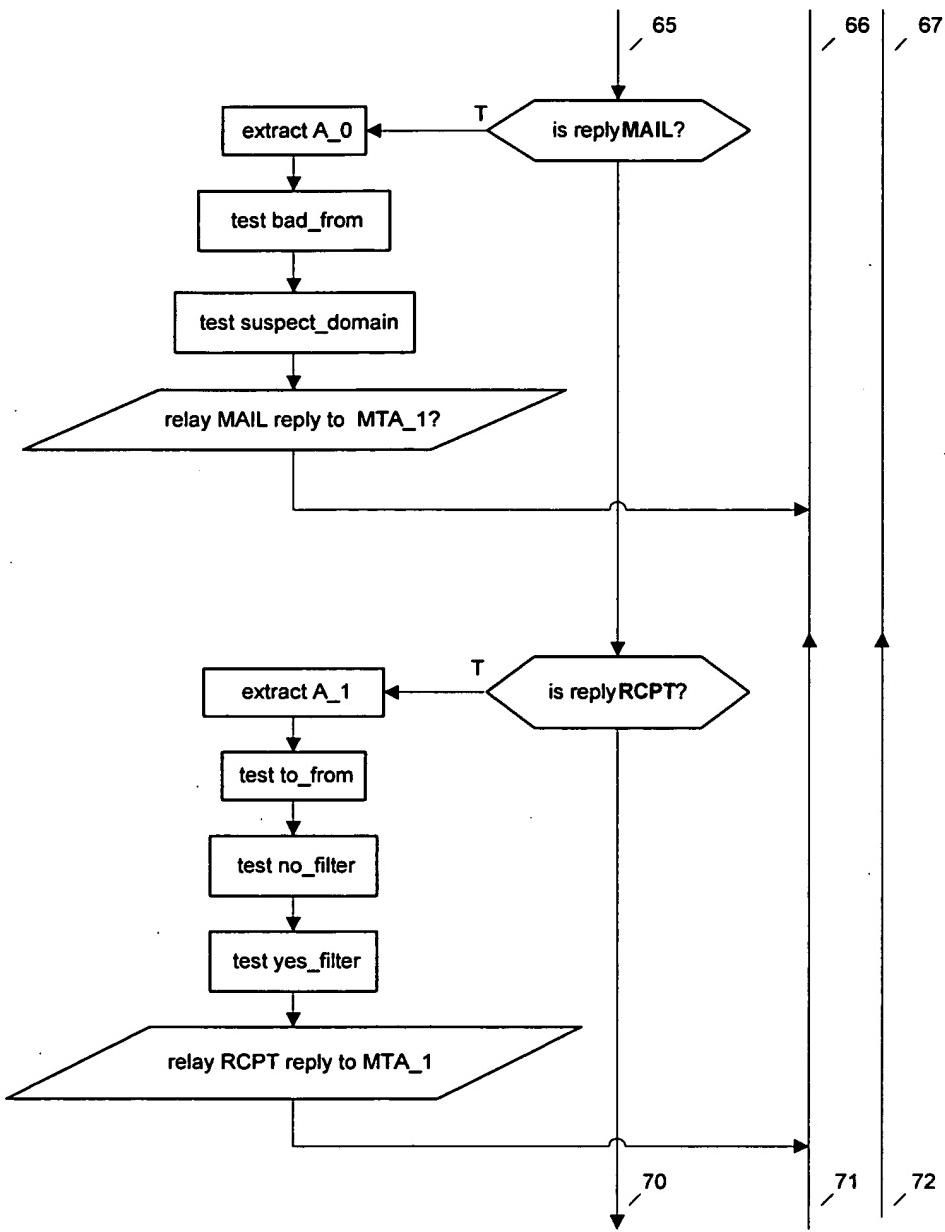


Fig. 8C

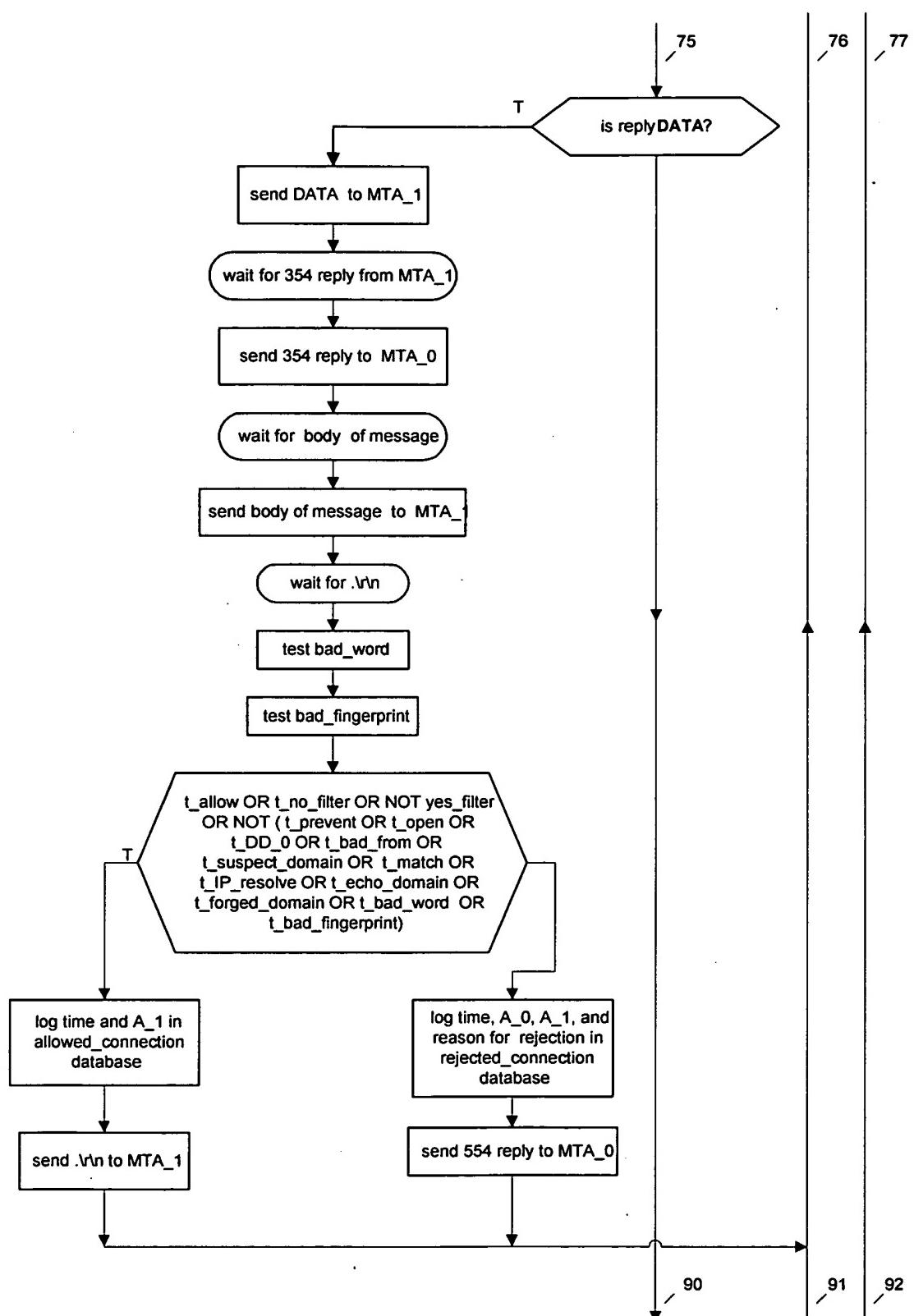


Fig. 8D

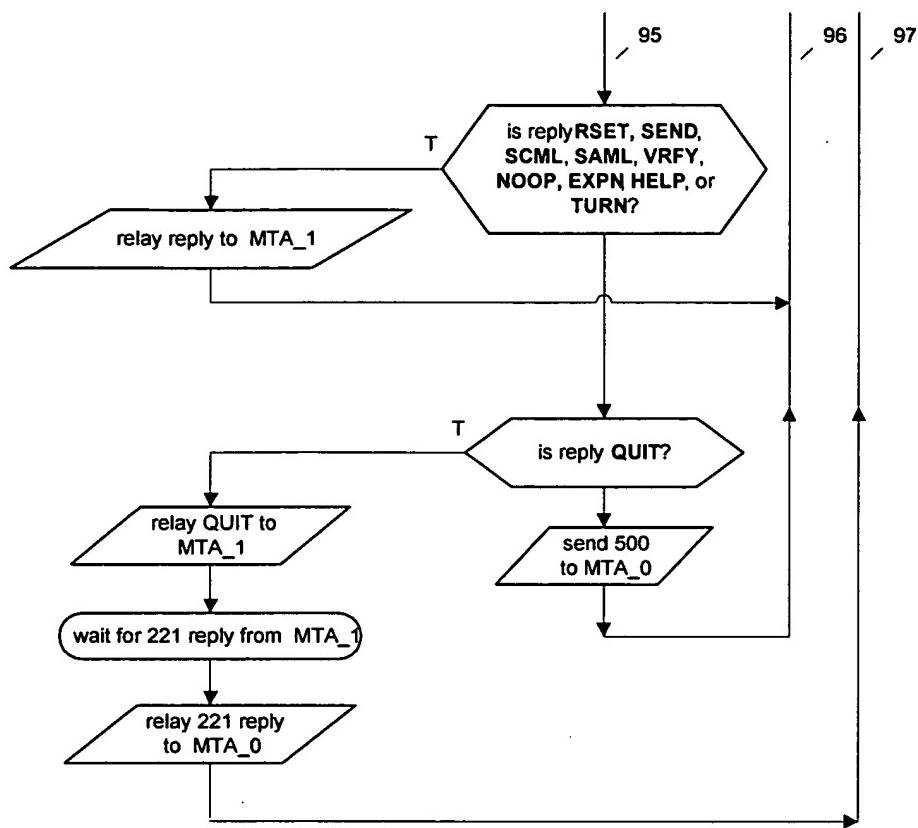


Fig. 8E

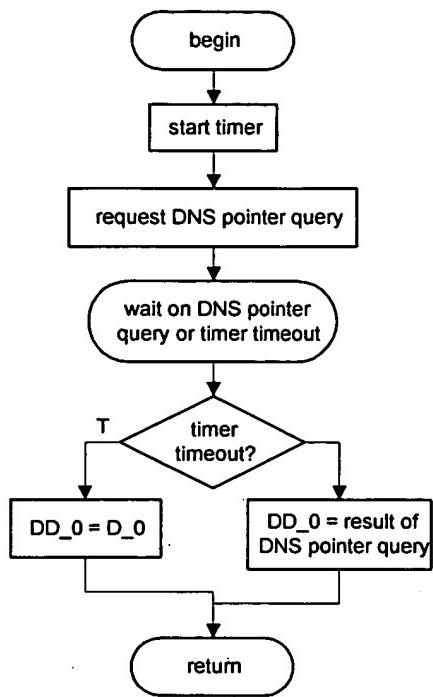


Fig. 9

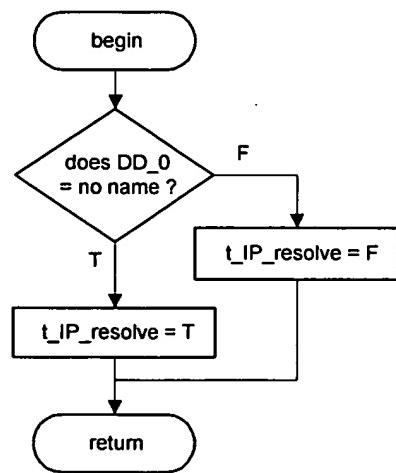


Fig. 10

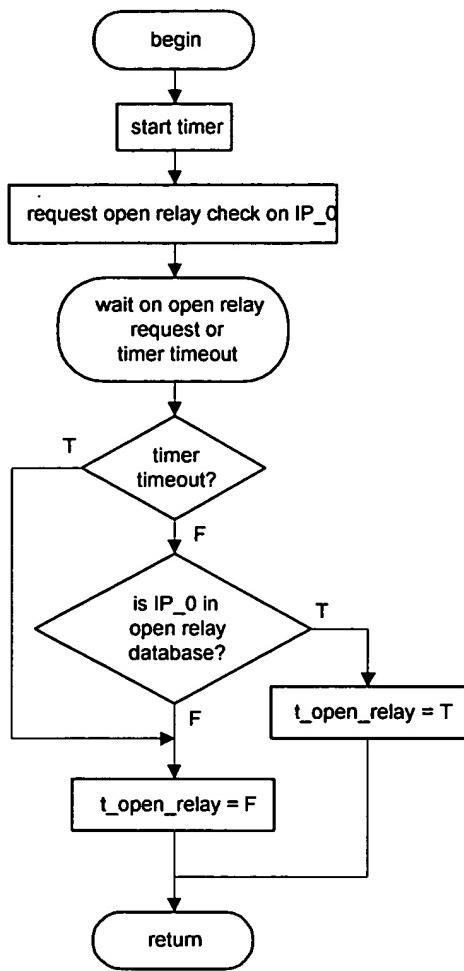


Fig. 11

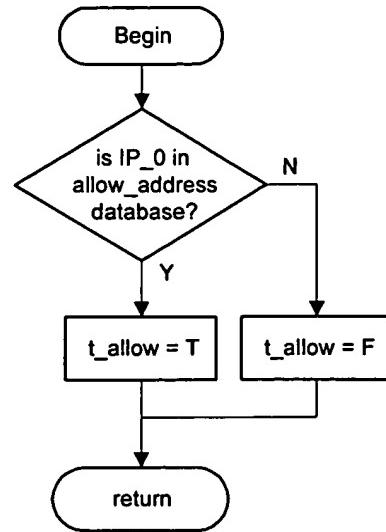


Fig. 12A

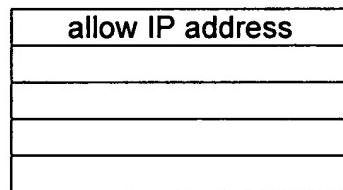


Fig. 12B

66.75.160.12  
65.54.254.145  
65.54.232.71

65.54.232.7  
64.4.56.135  
64.4.55.71

64.4.55.7  
64.4.55.135  
64.4.50.71

64.4.50.7  
64.4.49.199  
64.4.49.135

Fig. 12C

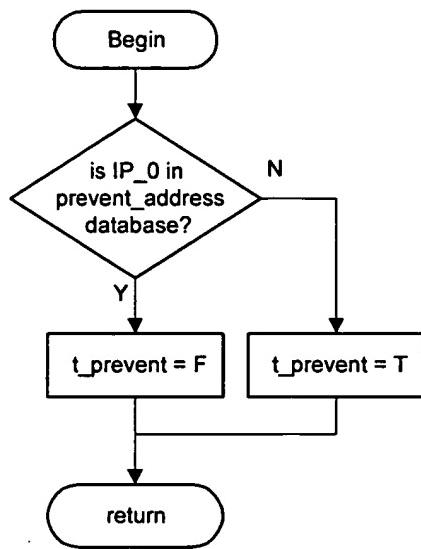


Fig. 13A

low prevent address	high prevent IP address

Fig. 13B

4.19.93.159	12.237.79.6	64.3.236.18	66.75.*.*
4.43.46.14	61.16.2.72	65.171.144.13	128.121.16.241
4.43.46.15	63.162.162.157	65.174.29.52	128.121.16.248
4.43.46.17	63.163.139.83	65.211.149.230	129.71.235.57
12.101.140.178	64.0.241.210	65.88.90.10	131.161.40.61
12.101.199.26	64.14.127.28	66.115.47.112	139.130.177.67
12.101.61.98	64.159.91.198	66.115.47.144	146.243.16.156
12.109.16.67	64.251.16.152	66.123.51.203	148.235.134.146
12.129.205.65	64.251.16.153	66.47.187.38	148.235.89.20
12.129.205.84	64.251.16.154	66.74.*.*	

Fig. 13C

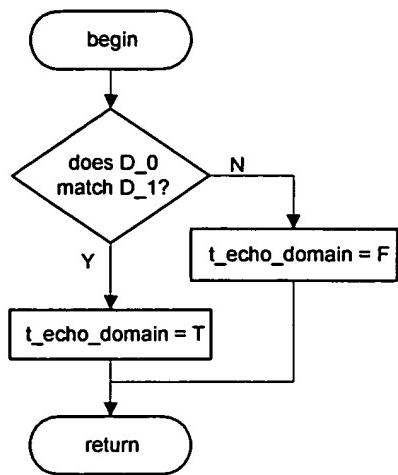


Fig. 14

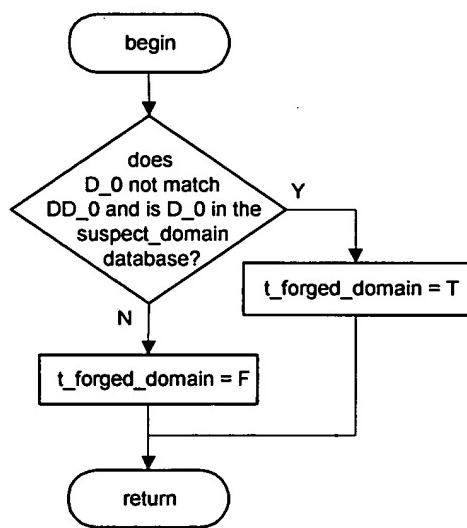


Fig. 15

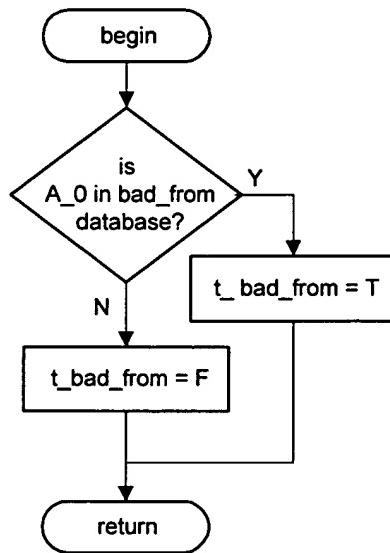


Fig. 16A

bad from address

Fig. 16B

<u>*@*.cl</u>	<u>*@*barota.com</u>	<u>*@*.br</u>
<u>*@thejanusgroup.com</u>	<u>*@*.nl</u>	<u>*@*agoramail.net</u>
<u>*@*nymphos*</u>	<u>*@netpaloffers.com</u>	<u>ipas@*</u>
<u>*@*ramshack.net</u>	<u>*@*.no</u>	<u>*@yourmailsource.com</u>
<u>*@freegasdaily.com</u>	<u>*@*porn*</u>	<u>fuck*.*</u>
<u>*@*emailsvc.net</u>	<u>*@*mercadolibr.com</u>	<u>*fuck*.*</u>
<u>*@*bbwgroup.com</u>	<u>*@*medianetgroup.net</u>	<u>*@*.in</u>
<u>*@*hostingcheck.com</u>	<u>*@*myrealbox.com</u>	
<u>*@*linksynergy.com</u>	<u>*@*aweber.com</u>	

Fig. 16C

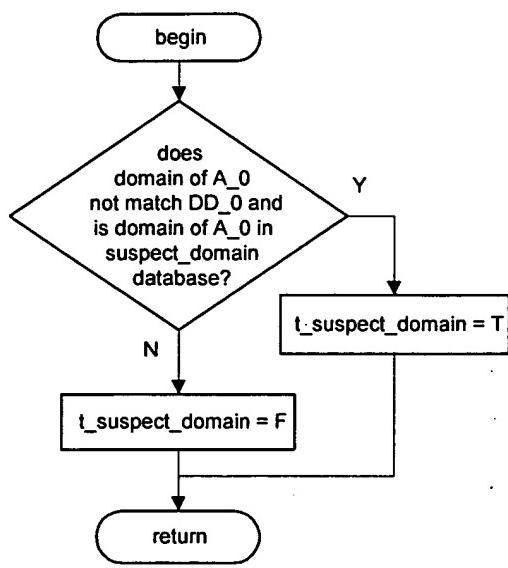


Fig. 17A

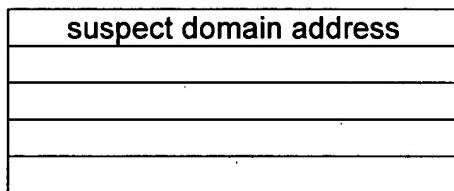


Fig. 17B

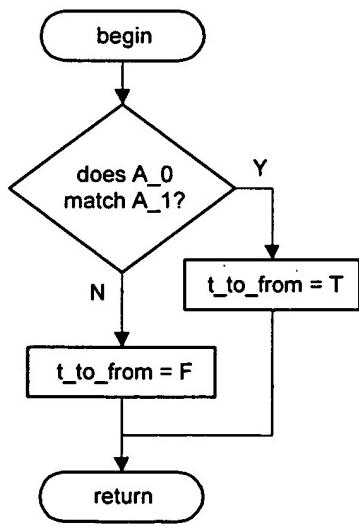


Fig. 18

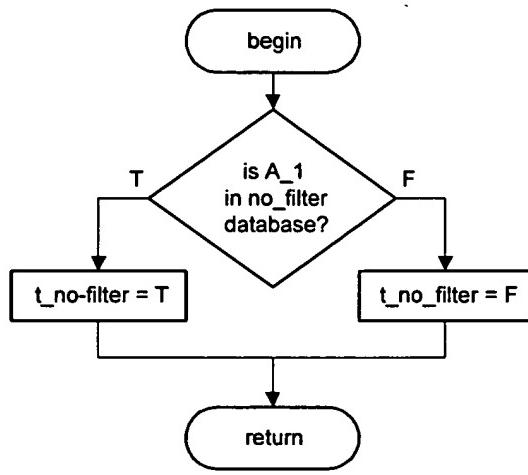


Fig. 19A

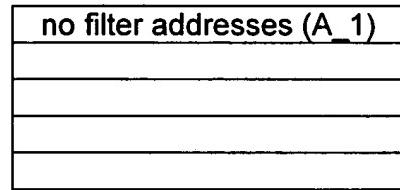


Fig. 19B

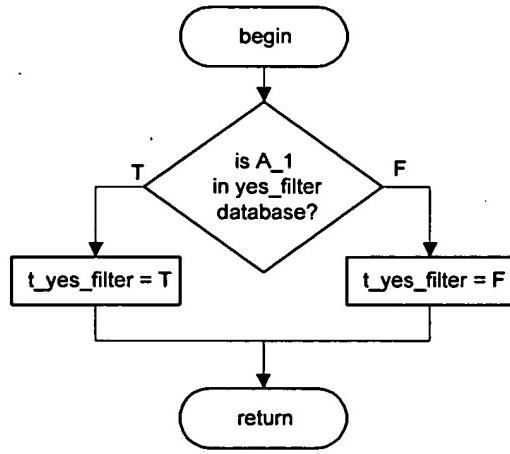


Fig. 20A

yes	filter addresses (A_1)

Fig. 20B

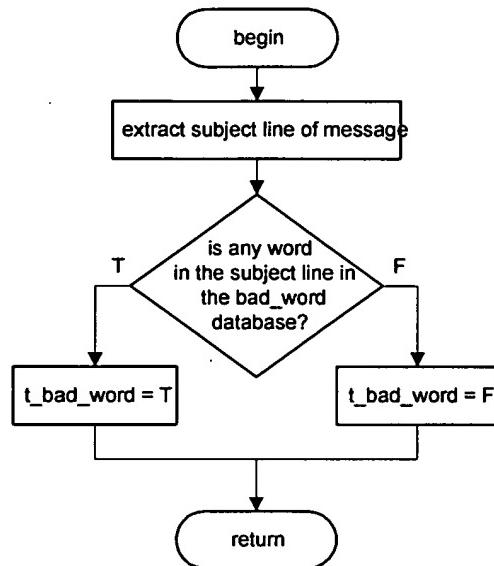


Fig. 21A

bad words

Fig. 21B

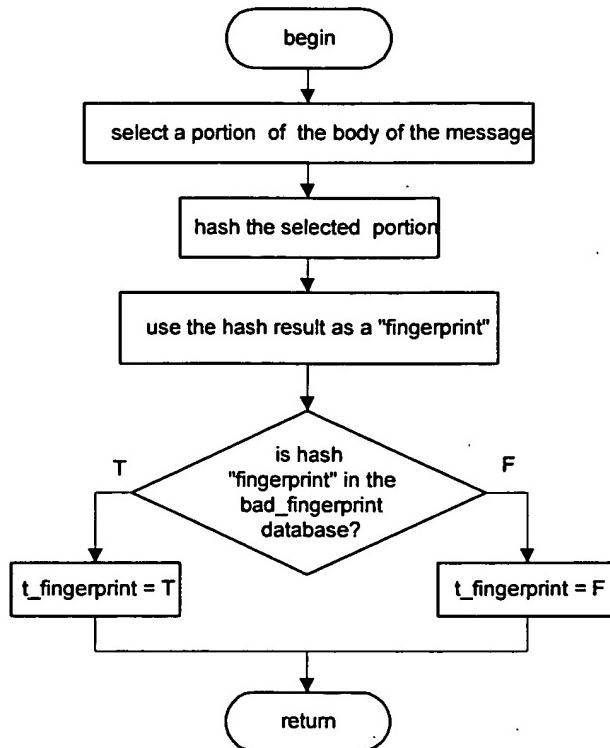


Fig. 22A

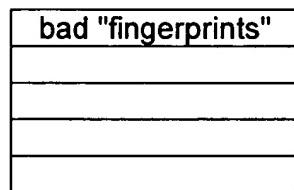


Fig. 22B

time	"To" address (A_1)

Fig. 23

time	"To" address (A_1)	"From" address (A_0)	reason for rejection

Fig. 24